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Facility ID: 035302 Revision #: 33 Date: December 03, 2010

FACILITY PERMIT TO OPERATE

OWENS CORNING ROOFING AND ASPHALT, LLC 1501 N TAMARIND AVE COMPTON, CA 90222

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env. EXECUTIVE OFFICER

By_____ Mohsen Nazemi, P.E. Deputy Executive Officer Engineering & Compliance

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: OWENS CORNING ROOFING AND ASPHALT,

LLC

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 1501 N TAMARIND AVE

COMPTON, CA 90222-4130

MAILING ADDRESS: 1501 N TAMARIND AVENUE N

COMPTON, CA 90222

RESPONSIBLE OFFICIAL: FRANK MUNOZ

TITLE: PLANT LEADER

TELEPHONE NUMBER: (310) 631-5131

CONTACT PERSON: JERRI FAJARDO

TITLE: EHS LEADER

TELEPHONE NUMBER: (303) 296-5445

INITIAL TITLE V PERMIT ISSUED: July 30, 2004

TITLE V PERMIT EXPIRATION DATE: July 29, 2009

TITLE V	RECLAIM	[
YES	NOx:	YES
	SOx:	YES
	CYCLE: ZONE:	2 COASTAL

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Yes Begin (month/	End	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 12/03/2010 (pounds)	Non-Tradable 2 Non-Usable RTCs (pounds)
7/2007	6/2008	Coastal	11005	0	0
1/2008	12/2008	Coastal	0	15000	0
7/2008	6/2009	Coastal	11005	0	297
1/2009	12/2009	Coastal	0	0	0
7/2009	6/2010	Coastal	11005	642	594
7/2010	6/2011	Coastal	11005	5176	891
7/2011	6/2012	Coastal	11005	8529	1189
7/2012	6/2013	Coastal	11005	8529	1189
7/2013	6/2014	Coastal	11005	8529	1189
7/2014	6/2015	Coastal	11005	8529	1189
7/2015	6/2016	Coastal	11005	8529	1189
7/2016	6/2017	Coastal	11005	8529	1189
7/2017	6/2018	Coastal	11005	8529	1189
7/2018	6/2019	Coastal	11005	8529	1189
7/2019	6/2020	Coastal	11005	8529	1189
7/2020	6/2021	Coastal	11005	8529	1189
7/2021	6/2022	Coastal	11005	8529	1189

^{1.} This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.

^{2.} The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

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RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Ye Begin (month/y	End	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 12/03/2010 (pounds)	Non-Tradable 2 Non-Usable RTCs (pounds)
7/2022	6/2023	Coastal	11005	8529	1189
7/2023	6/2024	Coastal	11005	8529	1189
7/2024	6/2025	Coastal	11005	8529	1189

- This number may change due to pending trades, emissions reported under Quarterly Certification
 of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required
 pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC
 information can be obtained from the District's RTC Listing.
- 2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Ye Begin (month/y	End	Zone	SOx RTC Initially Allocated	SOx RTC Holding as of 12/03/2010 (pounds)	Non-Tradable ² Credits (NTCs) (pounds)
7/2007	6/2008	Coastal	24150	0	
1/2008	12/2008	Coastal	0	0	
7/2008	6/2009	Coastal	24150	5621	
7/2009	6/2010	Coastal	24150	7134	
7/2010	6/2011	Coastal	24150	24150	
7/2011	6/2012	Coastal	24150	24150	
7/2012	6/2013	Coastal	24150	24150	
7/2013	6/2014	Coastal	24150	24150	
7/2014	6/2015	Coastal	24150	24150	
7/2015	6/2016	Coastal	24150	24150	
7/2016	6/2017	Coastal	24150	24150	
7/2017	6/2018	Coastal	24150	24150	
7/2018	6/2019	Coastal	24150	24150	
7/2019	6/2020	Coastal	24150	24150	
7/2020	6/2021	Coastal	24150	24150	
7/2021	6/2022	Coastal	24150	24150	
7/2022	6/2023	Coastal	24150	24150	

This number may change due to pending trades, emissions reported under Quarterly Certification
of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required
pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC
information can be obtained from the District's RTC Listing.

^{2.} The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Ye Begin (month/y	Ena	Zone	SOx RTC Initially Allocated	SOx RTC Holding as of 12/03/2010 (pounds)	Non-Tradable ² Credits (NTCs) (pounds)
7/2023	6/2024	Coastal	24150	24150	
7/2024	6/2025	Coastal	24150	24150	

- This number may change due to pending trades, emissions reported under Quarterly Certification
 of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required
 pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC
 information can be obtained from the District's RTC Listing.
- 2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.

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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year			NOx RTC	Non-Tradable	
Begin	End	Zone	Starting Allocation	Credits(NTC)	
(month/y	year)		(pounds)	(pounds)	
7/1994	6/1995	Coastal	21266	0	

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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year			SOx RTC	Non-Tradable		
Begin	End	Zone	Starting Allocation	Credits(NTC)		
(month/year)			(pounds)	(pounds)		
7/1994	6/1995	Coastal	37011	0		

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment Process 1: ASPHALT MAN	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: ASPHALT MAN System 1: ASPHALT BLO		UKING			S2.1
HEATER, FUEL OIL, NATURAL GAS, CUTLER, MODEL A-FRAME, 7.84 MMBTU/HR A/N:	DI		NOX: PROCESS UNIT**	CO: 400 PPMV (5A) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; RULE 407, 4-2-1982]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]	D12.2, D12.3, D332.1, E113.1, E179.1
STILL, NO. 3, BLOWER, 200HP, HEIGHT: 32 FT 6 IN; DIAMETER: 15 FT A/N:	D2	D3	SOX: PROCESS UNIT**	PM: (9) [RULE 405, 2-7-1986]; PM: 0.6 LB(S)/1000 LBS (8) [40CFR 60 Subpart UU, 8-5-1983]; SOX: 0.3 LBS/TON (1) [RULE 2011, 5-6-2005]	D323.1
KNOCK OUT POT, HEIGHT: 17 FT; DIAMETER: 12 FT A/N:	D3	D2 C78			D323.1, H23.1
STILL, NO. 4, BLOWER, 150 HP, HEIGHT: 32 FT 6 IN; DIAMETER: 15 FT A/N:	D4	D5	SOX: PROCESS UNIT**	PM: (9) [RULE 405, 2-7-1986]; PM: 0.6 LB(S)/1000 LBS (8) [40CFR 60 Subpart UU, 8-5-1983]; SOX: 0.3 LBS/TON MATERIAL (1) [RULE 2011, 5-6-2005]	D323.1
KNOCK OUT POT, HEIGHT: 10 FT; DIAMETER: 10 FT A/N:	D5	D4 C78			D323.1, H23.1

*	(1)	(1A)	(1R)	Denotes	RECLAIM	emission	factor
,	(1)	(1Λ)	(LD)	Denotes	KECLAIM	CHIISSIUH	ractor

⁽³⁾ Denotes RECLAIM concentration limit

^{(5) (5}A) (5B) Denotes command and control emission limit

⁽⁷⁾ Denotes NSR applicability limit(9) See App B for Emission Limits

^{(2) (2}A) (2B) Denotes RECLAIM emission rate

⁽⁴⁾ Denotes BACT emission limit

⁽⁶⁾ Denotes air toxic control rule limit

^{(8) (8}A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

⁽¹⁰⁾ See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring	Emissions * And Requirements	Conditions
			Unit		
Process 1: ASPHALT MA	NUFACT	TURING			
STILL, NO. 5, BLOWER, 200HP, HEIGHT: 50 FT; DIAMETER: 12 FT A/N:	D6	D7	SOX: PROCESS UNIT**	PM: (9) [RULE 405, 2-7-1986]; PM: 0.6 LB(S)/1000 LBS (8) [40CFR 60 Subpart UU, 8-5-1983]; SOX: 0.3 LBS/TON MATERIAL (1) [RULE 2011, 5-6-2005]	D323.1
KNOCK OUT POT, HEIGHT: 10 FT; DIAMETER: 10 FT A/N:	D7	D6 C78			D323.1, H23.1
DEHYDRATION UNIT A/N:	D8	C78			D323.1
System 2: PERMA MOP	MANUFA	ACTURING			
STORAGE TANK, 5W-40, PROCESSED ASPHALT, WITH AN AGITATOR, 24821 GALS; DIAMETER: 12 FT; HEIGHT: 31 FT A/N:	D82	C78			A433.1, D323.1, H23.1
System 3: COOLING TO	WER				
COOLING TOWER, NO.1, ASPHALT MANUFACTURING, BALTIMORE AIR COIL, MODEL 3547-HX, A/N: 466122	D156			PM: 0.034 LBS PER 24-HOUR PERIOD (5) [RULE 405, 2-7-1986]	B27.2, C1.3
Process 2: ASPHALT STC	RAGE A	AND TRANSI	ER		
System 1: RAW ASPHAL	T				
STORAGE TANK, NO.4, ASPHALT, HEIGHT: 27 FT 6 IN; DIAMETER: 18 FT A/N:	D9	C78			A63.8, A433.1, D323.1, H23.1
STORAGE TANK, NO. 6, ASPHALT, HEIGHT: 24 FT 6 IN; DIAMETER: 26 FT A/N:	D10	C78			A433.1, D323.1, H23.1

(1)	(1A)	(1R)	Denotes	RECL.	AIM	emission	factor
111	$11\Delta I$	uр	Demones	KECL	Δmv	CHIIOSIUH	ractor

⁽³⁾ Denotes RECLAIM concentration limit

^{(5) (5}A) (5B) Denotes command and control emission limit

⁽⁷⁾ Denotes NSR applicability limit(9) See App B for Emission Limits

^{(2) (2}A) (2B) Denotes RECLAIM emission rate

⁽⁴⁾ Denotes BACT emission limit

⁽⁶⁾ Denotes air toxic control rule limit

^{(8) (8}A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

⁽¹⁰⁾ See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: ASPHALT STO	RAGE A	AND TRANSF	ER		
STORAGE TANK, NO.9, ASPHALT, HEIGHT: 24 FT 6 IN; DIAMETER: 18 FT A/N:	D11	C78			A433.1, D323.1, H23.1
STORAGE TANK, NO. 5, ASPHALT, HEIGHT: 27 FT 6 IN; DIAMETER: 18 FT A/N:	D12	C78			A433.1, D323.1, H23.1
STORAGE TANK, 2W-40, ASPHALT, 24821 GALS; DIAMETER: 11 FT 8 IN; HEIGHT: 32 FT 6 IN A/N:	D13	C78			A433.1, D323.1, H23.1
STORAGE TANK, NO. 4, CUTBACK ASPHALT, STEAM HEATED, HEIGHT: 30 FT; DIAMETER: 12 FT A/N:	D14	C78			A433.1, D12.4, D323.1, H23.1
STORAGE TANK, NO. 33, ASPHALT, 27000 GALS; DIAMETER: 12 FT; HEIGHT: 30 FT A/N:	D15	C78			A433.1, D12.4, D323.1, H23.1
STORAGE TANK, NO. 2, CONDENSATE, HEIGHT: 14 FT 9 IN; DIAMETER: 18 FT A/N: C13334	D83	C78			D323.1, H23.1
LOADING ARM, TANK TRUCK, ASPHALT, WITH A 4 IN VAPOR RETURN LINE, WITH VAPOR LOCK BALANCE RECOVERY SYSTEM A/N:	D16	C78			D323.1, E1.1, H23.1
LOADING ARM, TANK TRUCK, ASPHALT, DIAMETER: 4 IN A/N:	D111	C78			D323.1, E1.1, H23.1

(1) (1A) (1B) Denotes RECLAIM emission factor

(3) Denotes RECLAIM concentration limit

(5) (5A) (5B) Denotes command and control emission limit

(7) Denotes NSR applicability limit(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate

(4) Denotes BACT emission limit

(6) Denotes air toxic control rule limit

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

(10) See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: ASPHALT STO	RAGE A	AND TRANSF	ER		
STORAGE TANK, 1W-40, PROCESSED ASPHALT, 18612 GALS; DIAMETER: 11 FT 3 IN; HEIGHT: 24 FT A/N:	D17	C78			A433.1, H23.1
STORAGE TANK, STEAM HEATED, 1, CUTBACK ASPHALT, STEAM HEATED, 24821 GALS; DIAMETER: 12 FT; HEIGHT: 29 FT A/N:	D18	C78			A63.8, A433.1, D323.1, H23.1
STORAGE TANK, 3W-40, PROCESSED ASPHALT, 24821 GALS; DIAMETER: 11 FT 10 IN; HEIGHT: 32 FT 6 IN A/N:	D19	C78			A433.1, D323.1, H23.1
STORAGE TANK, 4W-40, PROCESSED ASPHALT, 23010 GALS; DIAMETER: 11 FT 10 IN; HEIGHT: 30 FT A/N:	D20	C78			A433.1, D323.1, H23.1
STORAGE TANK, 6W-40, PROCESSED ASPHALT, 24821 GALS; DIAMETER: 12 FT; HEIGHT: 31 FT A/N:	D21	C78			A433.1, D323.1, H23.1
STORAGE TANK, FIXED ROOF, NO. 30, ASPHALT, 31000 GALS; DIAMETER: 16 FT; HEIGHT: 21 FT A/N: 308053	D23	C78			D323.1
STORAGE TANK, FIXED ROOF, STEAM HEATED, NO. 27, FUEL OIL, 16239 GALS; DIAMETER: 10 FT; HEIGHT: 18 FT 6 IN A/N: 308052	D34			DECY ADM	E127.1

-	(1)	(1A)	(1R)	Denotes	RECL	AIM	emission	factor
	111	TIAI.	UD	Denoites	KECL	Δmv	CHIISSIUH	ractor

Denotes RECLAIM concentration limit (3)

^{(5) (5}A) (5B) Denotes command and control emission limit

Denotes NSR applicability limit (7) (9) See App B for Emission Limits

Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

^{(2) (2}A) (2B) Denotes RECLAIM emission rate

⁽⁴⁾ Denotes BACT emission limit

⁽⁶⁾ Denotes air toxic control rule limit

^{(8) (8}A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

⁽¹⁰⁾ See section J for NESHAP/MACT requirements

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: ASPHALT STO	RAGE A	ND TRANSF	ER		
System 4: CUT BACK AS	PHALT				
STORAGE TANK, STEAM HEATED, NO. 5, CUTBACK ASPHALT, HEIGHT: 32 FT; DIAMETER: 12 FT A/N: C13328	D24			PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE TANK, STEAM HEATED, NO. 3, CUTBACK ASPHALT, HEIGHT: 32 FT; DIAMETER: 12 FT A/N: C13326	D25			PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE TANK, STEAM HEATED, NO. 2, CUTBACK ASPHALT, HEIGHT: 32 FT; DIAMETER: 12 FT A/N: C13325	D26			PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE TANK, STEAM HEATED, NO. 4, CUTBACK ASPHALT, HEIGHT: 32 FT; DIAMETER: 12 FT A/N: C13327	D27			PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE TANK, STEAM HEATED, NO. 1, CUTBACK ASPHALT, HEIGHT: 29 FT; DIAMETER: 12 FT A/N: C13324	D28			PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE TANK, FIXED ROOF, STEAM HEATED, CUTBACK ASPHALT, WITH AN AGITATOR, DIAMETER: 12 FT; HEAT INPUT RATE: 30 FT A/N: C13314	D29			PM: (9) [RULE 405, 2-7-1986]	D323.1
LOADING ARM, CUTBACK ASPHALT, DIAMETER: 3 IN A/N: C13318	D30			PM: (9) [RULE 405, 2-7-1986]	D323.1
System 5: ASPHALT					

*	(1) (1A) (1B) Denotes RECLAIM emission factor	

(2) (2A) (2B) Denotes RECLAIM emission rate

(3) Denotes RECLAIM concentration limit

(4) Denotes BACT emission limit

(5) (5A) (5B) Denotes command and control emission limit

(6) Denotes air toxic control rule limit

(7) Denotes NSR applicability limit(9) See App B for Emission Limits

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: ASPHALT STO	RAGE A	AND TRANSF	ER		
STORAGE TANK, NO. 8, ASPHALT, HEIGHT: 27 FT; DIAMETER: 18 FT A/N:	D31	C78			A433.1, D323.1, H23.1
System 6: MINERAL SPI	RITS				
STORAGE TANK, NO. 7, MINERAL SPIRITS, WITH SUBMERGED FILLING, 24000 GALS; DIAMETER: 14 FT; HEIGHT: 20 FT A/N: 136964	D32				
STORAGE TANK, NO. 8, MINERAL SPIRITS, WITH SUBMERGED FILLING, 24000 GALS; DIAMETER: 14 FT; HEIGHT: 20 FT A/N: 136964	D33				
Process 3: ASPHALT ROC	FING N	ANUFACTU	RING		
System 1: ASPHALT STC	RAGE A	AND HANDLI	NG		
STORAGE TANK, ASPHALT, HEIGHT: 16 FT; DIAMETER: 21 FT 6 IN A/N:	D39	C132			A433.1, D323.1, H23.1
TANK, ASPHALT, 1500 GALS A/N:	D125	C132			D323.1, H23.1
System 2: GROUND LIM	ESTONI	E (FILLER) S'	TORAGE AND H	ANDLING	
STORAGE SILO, WITH FABRIC FILTER, HEIGHT: 40 FT 3 IN; DIAMETER: 15 FT 5 IN WITH A/N: 146860	D84			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D12.1, D323.1, H23.1
FILTER, BAG, FLEX-KLEEN, MODEL 84-BVBS-25IIG, WITH FABRIC FILTER, 265 SQ.FT.	C122				D12.1, D322.1, D381.1, E102.1, K67.4

*	(1) (1A) (1B)	Denotes RECLAIM emission factor	(2) (2A) (2B)	Denotes RECLAIM emission rate
	(3)	Denotes RECLAIM concentration limit	(4)	Denotes BACT emission limit

Denotes BACT emission limit (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit

Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (7) (9) See App B for Emission Limits (10)See section J for NESHAP/MACT requirements

Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: ASPHALT ROC	FING N	MANUFACTU	RING		
CONVEYOR, PNEUMATIC, LIMESTONE FOR FILLED ADHESIVE A/N: 465081	D147			PM: (9) [RULE 404, 2-7-1986]	
BIN, VENT NO. 1, J.D.B. DENSE FLOW, MODEL NO. DF90R, 84 SQ. FT. OF PTFE CLOTH, 24 IN DIA. A/N: 465081	D148			PM: (9) [RULE 404, 2-7-1986]	
BIN, HOPPER, FILLER FOR FILLED ADHESIVE A/N: 465081	D149			PM: (9) [RULE 404, 2-7-1986]	
CONVEYOR, PNEUMATIC, LIMESTONE, FOR FILLED SEALANT A/N: 465081	D150			PM: (9) [RULE 404, 2-7-1986]	
BIN, VENT NO. 2, J.D.B. DENSE FLOW, MODEL NO. DF90R, 84 SQ. FT. OF PTFE CLOTH, 24 IN DIA. A/N: 465081	D151			PM: (9) [RULE 404, 2-7-1986]	
BIN, HOPPER, FILLER FOR FILLED SEALANT A/N: 465081	D152			PM: (9) [RULE 404, 2-7-1986]	
HOPPER, SURGE, LIMESTONE, UPPER A/N: 465081	D68	C99		PM: (9) [RULE 405, 2-7-1986]	D323.1
FILTER, BAG, SENECA ENVIROMENTAL PRODUCTS, MODEL 49-IMBV-6, 346 SQ.FT. A/N: 465081	C99	D68		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E102.1, K67.4

* *	(1)	(1 A)	(1D)	Donatas	RECLAIM	amiagian	factor
	(1)	(1A)	(IB)	Denotes	RECLAIM	emission	Tactor

(2) (2A) (2B) Denotes RECLAIM emission rate

(2H) (2B) Denotes Recentive emission is

(3) Denotes RECLAIM concentration limit

(4) Denotes BACT emission limit

(5) (5A) (5B) Denotes command and control emission limit

(6) Denotes air toxic control rule limit

(7) Denotes NSR applicability limit(9) See App B for Emission Limits

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

⁽⁹⁾ See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/	Emissions* And Requirements	Conditions
			Monitoring		
			Unit		
Process 3: ASPHALT ROC	FING M	IANUFACTU	RING		
HEATER, NATURAL GAS, WITH LOW NOX BURNER, 3.5	D41		NOX: PROCESS UNIT**	CO: 400 PPMV (5A) [RULE 1146.1, 5-13-1994; RULE 1146.1,	D332.2
MMBTU/HR A/N:				9-5-2008]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 30	
				PPMV (4) [RULE 1303(a)(1) -BACT, 5-10-1996]; PM: (9)	
				[RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409,	
				8-7-1981]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]	
CONVEYOR, SCREW, LIMESTONE A/N: 465081	D59	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, FILLER A/N: 465081	D58	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
HOPPER, SURGE, LIMESTONE, LOWER A/N: 465081	D69	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
CONVEYOR, SCREW, LIMESTONE A/N: 465081	D70	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
CONVEYOR, SCREW, LIMESTONE A/N: 465081	D71	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
HOPPER, DUMP, LIMESTONE A/N: 465081	D64	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
CONVEYOR, PNEUMATIC, LIMESTONE A/N: 465081	D65	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
MIXER A/N: 465081	D88			PM: (9) [RULE 405, 2-7-1986]	D323.1, H23.1
	ate, San	d, and Granu	le, Receiving, Stor	rage and Handing	
PIT, SAND, CALCIUM CARBONATE, GRANULE A/N: 275499	D35	C86		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1

⁽³⁾ Denotes RECLAIM concentration limit

^{(5) (5}A) (5B) Denotes command and control emission limit

⁽⁷⁾ Denotes NSR applicability limit(9) See App B for Emission Limits

⁽⁴⁾ Denotes BACT emission limit

⁽⁶⁾ Denotes air toxic control rule limit

^{(8) (8}A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

⁽¹⁰⁾ See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: ASPHALT ROC	FING N	MANUFACTU	RING		
CONVEYOR, BELT, SAND, CALCIUM CARBONATE, GRANULE A/N: 275499	D36	C86		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
HOPPER, WEIGH, DISCHARGE STATION, CALCIUM CARBONATE, SAND AND GRANULE A/N: 275499	D37	C86		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BAGHOUSE, CLOTH FILTER, NORTHWEST, MODEL 36-10, 424 SQ.FT. A/N: 275498	C86	D35 D36 D37		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, E193.3, K67.4
BIN, SURGE, GRANULES A/N:	D50	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
CONVEYOR, BELT A/N:	D51	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BIN, SURGE, GRANULE ACCUMULATOR AND DISTRIBUTOR A/N:	D52	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BIN, SURGE, CALCIUM CARBONATE, SAND, AND GRANULES A/N:	D53	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BIN, SURGE, GROUND SAND, CALCIUM CARBONATE A/N:	D54	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
HOPPER, DUMP, GROUND SAND, CALCIUM CARBONATE A/N:	D55	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
HOPPER, DUMP, SAND, CALCIUM CARBONATE A/N:	D56	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1

*	(1)	(1A)	(1R)	Denotes	RECLAIM	emission factor
,	(1)	$(1/\Lambda)$	$(1\mathbf{D})$	Denotes	KECLAIM	Cillission factor

Denotes RECLAIM concentration limit (3)

(5) (5A) (5B) Denotes command and control emission limit

Denotes NSR applicability limit (7) (9) See App B for Emission Limits

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10)

Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

(4) Denotes BACT emission limit

(6) Denotes air toxic control rule limit

See section J for NESHAP/MACT requirements

^{(2) (2}A) (2B) Denotes RECLAIM emission rate

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: ASPHALT RO	OFING N	MANUFACTU	RING		
BUCKET ELEVATOR, CALCIUM CARBONATE, SAND A/N:	D57	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, WASTE A/N:	D63	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, PRIME A/N:	D104	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, WASTE A/N:	D105	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, HEADLAP A/N:	D106	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
System 4: SEALANT STO	ORAGE A	AND HANDLI	NG		
TANK, SURGE, LAMINATOR, ADHESIVE, 550 GALS A/N:	D93	C132			
TANK, SURGE, LAMINATIOR, SEALANT, 550 GALS A/N:	D95	C132			
TANK, CIRCULATOR, SEALANT, 240 GALS A/N:	D123	C132			
TANK, MELT, SEALANT, 240 GALS A/N:	D124	C132			
System 5: FIBERGLASS	ROOFIN	G PRODUCT	TION		
COATER, ASPHALT A/N:	D87	C132		PM: (9) [RULE 405, 2-7-1986]; PM: 0.04 LB(S)/1000 LBS (8) [40CFR 60 Subpart UU, 8-5-1983]	A63.6, C1.1, C1.5, D323.1, H23.1
TANK, SURGE, 3-TAB, SEALANT, 750 GALS A/N:	D89	C132			

*	(1)	(1A)	(1R)	Denotes	RECLAIM	emission factor
,	(1)	$(1/\Lambda)$	$(1\mathbf{D})$	Denotes	KECLAIM	Cillission factor

(3)

Denotes RECLAIM concentration limit

(5) (5A) (5B) Denotes command and control emission limit

Denotes NSR applicability limit (7)

(9) See App B for Emission Limits (2) (2A) (2B) Denotes RECLAIM emission rate

(4) Denotes BACT emission limit

(6) Denotes air toxic control rule limit

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

(10)See section J for NESHAP/MACT requirements

Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID	Connected	RECLAIM	Emissions *	Conditions
	No.	То	Source Type/ Monitoring	And Requirements	
Process 3: ASPHALT ROO	OFING N	 	Unit RING		
COATER, CALCIUM CARBONATE OR SAND, AND GRANULES APPLICATOR A/N:	D44	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
PRESS, PRESSURE ROLLERS, GRANULE SETTING A/N:	D45			PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
COOLER, ASPHALT A/N:	D129			PM: (9) [RULE 405, 2-7-1986]	D323.1
COATER, SEALANT APPLICATOR/LAMINATOR A/N:	D92	C132		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, ACCUMULATION A/N:	D100			PM: (9) [RULE 405, 2-7-1986]	D323.1
CUTTER, SHINGLE A/N:	D49			PM: (9) [RULE 405, 2-7-1986]	D323.1
PACKAGING MACHINE A/N:	D94			PM: (9) [RULE 405, 2-7-1986]	D323.1
System 7: AIR POLLUTI	ON CON	TROL #2			
BAGHOUSE, CLOTH FILTER, CP ENVIRONMENTAL FILTERS, MODEL 100 NF-288CM, 3658 SQ.FT. A/N: 254495	C75	D44 D50 D51 D52 D53 D54 D55 D56 D57 D58 D59 D63 D64 D65 D69 D70 D71 D104 D105 D106		PM: (9) [RULE 404, 2-7-1986]	D322.1, D381.1, E102.1, E193.2, K67.4
System 8: COOLING TO	WER				
COOLING TOWER, NO.2, ASPHALT ROOF MANUFACTURING, BALTIMORE AIRCOIL, MODEL VT0-163-OC, ONE CELL A/N: 466123	D157			PM: 0.018 LBS PER 24-HOUR PERIOD (5) [RULE 405, 2-7-1986]	B27.2, C1.4

*	(1)	(1 A)	(1R)	Denotes	RECLAIM	emission factor	
. ((1)	(IA)	UID	Denoies	KECLAIM	ciiiissioii iactoi	

(3) Denotes RECLAIM concentration limit

(5) (5A) (5B) Denotes command and control emission limit

(7) Denotes NSR applicability limit(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate

(4) Denotes BACT emission limit

(6) Denotes air toxic control rule limit

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

(10) See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: ASPHALT MAN System 1: Air Pollution Co			TROL EQUIPM	ENT	
CYCLONE, COMMON FOR AFTERBURNERS NO. 1 AND 2, HEIGHT: 25 FT; DIAMETER: 5 FT A/N:	C78	D3 D5 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17			D323.1
		D18 D19 D20 D21 D23 D31 C77 D82 D83 D111			
AFTERBURNER, NO. 1, NATURAL GAS, 18 MMBTU/HR A/N:	C77	C78	NOX: LARGE SOURCE**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 101 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 5-6-2005]	D28.4, D323.1, E193.1
Process 6: External Combustion Equipment System 1: Boilers					

(3) Denotes RECLAIM concentration limit

(5) (5A) (5B) Denotes command and control emission limit

(7) Denotes NSR applicability limit(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate

(4) Denotes BACT emission limit

(6) Denotes air toxic control rule limit

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

(10) See section J for NESHAP/MACT requirements

^{* (1) (1}A) (1B) Denotes RECLAIM emission factor

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: External Combu	stion Eq	uipment			
BOILER, NATURAL GAS, CLEAVER BROOKS, MODEL CB-200-80, WITH LOW NOX BURNER, 3.347 MMBTU/HR WITH A/N: 333465	D127		NOX: PROCESS UNIT**	CO: 400 PPMV (5) [RULE 1146.1, 5-13-1994; RULE 1146.1, 9-5-2008]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 30 PPMV (4) [RULE 2005, 5-6-2005]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.6, D332.2
BURNER, NATURAL GAS, CLEAVER BROOKS, MODEL CB-200-80, WITH LOW NOX BURNER, 3.347 MMBTU/HR					
Process 7: Rule 219 Exemp	t Equipn	nent Subject t	o Source Specific	Rules	
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE ARCHITECTURAL COATINGS	E126			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.2
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E130				H23.1, H23.4
HEATER, 1.2 MMBTU/HR GAS FIRED HOT OIL HEATER	E153				H23.1, H23.3

^{(1) (1}A) (1B) Denotes RECLAIM emission factor

Denotes RECLAIM concentration limit

^{(5) (5}A) (5B) Denotes command and control emission limit

⁽⁷⁾ Denotes NSR applicability limit(9) See App B for Emission Limits

^{(2) (2}A) (2B) Denotes RECLAIM emission rate

⁽⁴⁾ Denotes BACT emission limit

⁽⁶⁾ Denotes air toxic control rule limit

^{(8) (8}A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements

Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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SECTION D: DEVICE ID INDEX

The following sub-section provides an index to the devices that make up the facility description sorted by device ID.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

SYSTEM CONDITIONS

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 3050 LBS IN ANY ONE MONTH
PM10	Less than or equal to 910 LBS IN ANY ONE MONTH
PM10	Less than or equal to 10924 LBS IN ANY ONE YEAR
ROG	Less than or equal to 1140 LBS IN ANY ONE MONTH
ROG	Less than or equal to 13629 LBS IN ANY ONE YEAR

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 1, System 1]

DEVICE CONDITIONS

A. Emission Limits

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 1 Percent opacity

[40CFR 63 Subpart UU, 4-20-2006]

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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D35, D36, D37, D44, D45, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D63, D64, D65, D69, D70, D71, D104, D105, D106]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 20 Percent opacity

[40CFR 60 Subpart UU, 8-5-1983]

[Devices subject to this condition : D87]

A63.8 The operator shall limit emissions from this equipment as follows:

CONTAMINAN T	EMISSIONS LIMIT	QUANTITY	UNITS
CO	Less than or equal to	29	LBS IN ANY
	1	ı	CALENDAR MONTH
PM10	Less than or equal to	9	LBS IN ANY
	1	ı	CALENDAR MONTH
ROG	Less than or equal to	35	LBS IN ANY
	1	ı	CALENDAR MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D9, D18]

A433.1 The operator shall limit emissions from this equipment as follows::

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

POLLUTANT	LIMIT	UNITS
VISIBLE	0	PERCENT OPACITY
EMISSIONS	1	I

[40CFR 63 Subpart UU, 4-20-2006]

[Devices subject to this condition : D9, D10, D11, D12, D13, D14, D15, D17, D18, D19, D20, D21, D31, D39, D82]

B. Material/Fuel Type Limits

B27.2 The operator shall not use materials containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 03-04-2005.

[RULE 1401, 3-4-2005]

[Devices subject to this condition: D156, D157]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 1200 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as finished roofing line product.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition: D87]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

C1.3 The operator shall limit the material processed to no more than 332 gallon(s) per minute.

For the purpose of this condition, material processed shall be defined as maximum cooling tower water circulation rate..

[RULE 1303(a)-BACT, 5-10-1996; RULE 1303(a), 12-6-2002]

[Devices subject to this condition : D156]

C1.4 The operator shall limit the material processed to no more than 370 gallon(s) per minute.

For the purpose of this condition, material processed shall be defined as maximum cooling tower water circulation rate..

[RULE 1303(a)-BACT, 5-10-1996; RULE 1303(a), 12-6-2002]

[Devices subject to this condition: D157]

C1.5 The operator shall limit the material processed to no more than 28320 ton(s) in any one month.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D87]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter media.

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D84, C99]

D12.2 The operator shall install and maintain a(n) gauge to accurately indicate the flue gas flow from the exhaust stack to the burner.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1]

D12.3 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the burner.

[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005]

[Devices subject to this condition : D1]

D12.4 The operator shall install and maintain a(n) gauge to accurately indicate the temperature of the asphalt stored in this device.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D14, D15]

D12.6 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the boiler.

[RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition: D127]

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted at least once during the life of the permit.

The test shall be conducted to determine the ROG emissions at the inlet and outlet simultaneously.

The test shall be conducted to determine the ROG emissions using District method 25.1 measured over a 60 minute averaging time period.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition: C77]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: C75, D84, C86, C99]

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The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated: and
- 4). All visible emission observation records by operator or a certified smoke reader.

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The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D18, D19, D20, D21, D23, D24, D25, D26, D27, D28, D29, D30, D31, D35, D36, D37, D39, D44, D45, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D63, D64, D65, D68, D69, D70, D71, C77, C78, D82, D83, D84, D87, D88, D92, D94, D100, D104, D105, D106, D111, D125, D129]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D1]

D332.2 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146.1 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D41, D127]

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The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: C75, D84, C86, C99]

E. Equipment Operation/Construction Requirements

E1.1 The operator shall vent the emissions from this equipment to only one of the devices identified in the "connected to" column of this facility permit at any given time.

[RULE 204, 10-8-1993]

[Devices subject to this condition : D16, D111]

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The operator shall comply with the terms and conditions set forth below:

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C75, D84, C86, C99]

E113.1 The operator shall have the burner equipped with a control system to automatically regulate the combustion air, fuel and, if applicable, recirculated flue gas as the boiler load varies. This control system shall be adjusted and tuned at least twice a year according to the manufacturer's specifications to maintain its ability to repeat the same performance at the same firing rate.

[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1]

E127.1 The operator shall keep gauge/sample hatches closed except during actual gauging/sampling operations.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D34]

E179.1 For the purpose of the following condition number(s), boiler load shall be defined as heater load.

Condition Number 113-1

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The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D1]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The combustion chamber temperature shall be maintained at a minimum of 1,400 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,400 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,400 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days

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The operator shall comply with the terms and conditions set forth below:

after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition: C77]

E193.2 The operator shall operate and maintain this equipment according to the following requirements:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The bag house pressure differential across the filter bags shall be maintained between 2" and 8" of water column whenever the equipment it serves is in operation.

The operator shall operate and maintain a pressure differential gauge to measure and indicate the pressure differential across the bag house filter bags pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The differential across the filters shall be recorded continuously with a recording device.

For the purpose of this condition, a deviation shall be defined as when the pressure differential across the filters is less than 2" of water column or more than 8" of water column occurs during the normal operation of the equipment it serves except a startup exemption period of 14 days after new filters are installed, when the 2" limit will not apply.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the pressure differential across the filters between 2" and 8" of water column, and keep records of the duration and cause(including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 And 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan(QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occurs in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

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The operator shall comply with the terms and conditions set forth below:

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C75]

E193.3 The operator shall operate and maintain this equipment according to the following requirements:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The bag house pressure differential across the filter bags shall be maintained between 2" and 8" of water column whenever the equipment it serves is in operation.

The operator shall operate and maintain a pressure differential gauge to measure and indicate the pressure differential across the bag house filter bags pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The differential across the filters shall be recorded at least once a day.

For the purpose of this condition, a deviation shall be defined as when the pressure differential across the filters is less than 2" of water column or more than 8" of water column occurs during the normal operation of the equipment it serves except a startup exemption period of 14 days after new filters are installed, when the 2" limit will not apply.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the pressure differential across the filters between 2" and 8" of water column, and keep records of the duration and cause(including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 And 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan(QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occurs in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

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The operator shall comply with the terms and conditions set forth below:

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition: C86]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	40CFR60, SUBPART	UU

[40CFR 63 Subpart UU, 4-20-2006]

[Devices subject to this condition: D3, D5, D7, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D31, D35, D36, D37, D39, D44, D45, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D63, D64, D65, D69, D70, D71, D82, D83, D84, D87, D88, D104, D105, D106, D111, D125, E130, E153]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
NOX	District Rule	1146.2
CO	District Rule	1146.2

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The operator shall comply with the terms and conditions set forth below:

[RULE 1146.2, 5-5-2006]

[Devices subject to this condition : E153]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E130]

K. Record Keeping/Reporting

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

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The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E126]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: C75, D84, C86, C99]

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SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

- 1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
- 2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
- 3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies. [204]
- 4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

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- 5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation.[204]
- 6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]
 - a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
- 7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NOx source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]

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- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compound which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO2) and be averaged over 15 consecutive minutes; [407]
- f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO2) at standard conditions and averaged over 15 consecutive minutes. [409]
- g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O2) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
- 8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NOx RECLAIM sources and Table 2 of Rule 2001 for SOx RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NOx or SOx emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NOx or SOx source, respectively. [2001]
- 9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.

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- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
- c. Operating conditions under which the test will be performed.
- d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e,g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
- e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
- f. Description of calibration and quality assurance procedures.
- g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
- 10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
 - a. The results of the source test.
 - b. Brief description of the equipment tested.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e,g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.

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- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
- 11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
- Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

- I. NOx Monitoring Conditions
- A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

- B. The Operator of a NOx large Source, as defined in Rule 2012, shall, as applicable:
 - 1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]
 - 2. Comply at all times with the specified NOx concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]
- C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall, as applicable:
 - 1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

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OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

II. NOx Source Testing and Tune-up conditions

- 1. The operator shall conduct all required NOx source testing in compliance with an AQMD-approved source test protocol. [2012]
- 2. The operator shall, as applicable, conduct source tests for every large NOx source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NOx concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
- 3. All NOx large sources and NOx process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]
- III. SOx monitoring conditions
- D. The Operator of a SOx Major Source, as defined in Rule 2011, shall, as applicable:

Not Applicable

- E. The Operator of a SOx Process Unit, as defined in Rule 2011, shall, as applicable:
 - 1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2011, Table 2011-1, and Rule 2011, Appendix A, Table 3-A. The sharing of totalizing meters shall be allowed for process units except those using fuels with different sulfur contents. [2011]

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

IV. SOx Source Testing Conditions

1. The operator shall conduct all required SOx source testing in compliance with an AQMD-approved source test protocol. [2011]

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

- I. Recordkeeping Requirements for all RECLAIM Sources
 - 1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
 - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
 - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
 - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
 - 2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]
- II. Reporting Requirements for all RECLAIM Sources
 - 1. The operator shall submit a quarterly certification of emissions including the facility's total NOx or SOx emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

NOx Reporting Requirements

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

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SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

- B. The Operator of a NOx Large Source, as defined in Rule 2012, shall:
 - 1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly NOx mass emissions from each large NOx source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]
- C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall:
 - 1. Electronically report the calculated quarterly NOx emissions for each NOx process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

SOx Reporting Requirements

- D. The Operator of a SOx Major Source, as defined in Rule 2011, shall, as applicable:

 Not Applicable
- E. The Operator of a SOx Process Unit, as defined in Rule 2011, shall:
 - 1. Electronically report the calculated quarterly SOx emissions for each SOx process unit. [2011]

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: ASPHALT MA	NUFACT	URING			
System 1: ASPHALT BLO	OWING				S2.1
HEATER, NATURAL GAS, CUTLER, MODEL A-FRAME, WITH LOW NOX BURNER, 7.84 MMBTU/HR WITH A/N: 383382 Permit to Construct Issued: 07/31/01	DI		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 40 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.2, D12.3, D332.1, E113.1, E179.1, I331.1
BURNER, NATURAL GAS, POWER FLAME MFG., MODEL LNC4-G-30, WITH LOW NOX BURNER, 7.84 MMBTU/HR					D323.1
STILL, NO. 3, HEIGHT: 50 FT; DIAMETER: 12 FT WITH A/N: 383382 Permit to Construct Issued: 07/31/01	D2	D3	SOX: PROCESS UNIT**	PM: (9) [RULE 405, 2-7-1986]; PM: 0.6 LB(S)/1000 LBS (8) [40CFR 60 Subpart UU, 8-5-1983]; SOX: 0.061 LBS/TON MATERIAL (1) [RULE 2011, 5-6-2005]	D323.1, I331.1
BLOWER, 3250 CU.FT./MIN	D118				
KNOCK OUT POT, HEIGHT: 17 FT; DIAMETER: 12 FT A/N: 383382 Permit to Construct Issued: 07/31/01	D3	D2 C78			D323.1, H23.1, I331.1

*	(1)(1A)(1B)	Denotes RECLAIM emission factor	(2)(2A)(2B)	Denotes RECLAIM emission rate
	(3)	Denotes RECLAIM concentration limit	(4)	Denotes BACT emission limit
	(5)(5A)(5B)	Denotes command and control emission limit	(6)	Denotes air toxic control rule limit
	(7)	Denotes NSR applicability limit	(8) (8A) (8B)	Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
	(9)	See App B for Emission Limits	(10)	See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: ASPHALT MA	NUFACT	URING			
STILL, NO. 4, HEIGHT: 32 FT 6 IN; DIAMETER: 15 FT WITH A/N: 383382 Permit to Construct Issued: 07/31/01	D4	D5	SOX: PROCESS UNIT**	PM: (9) [RULE 405, 2-7-1986]; PM: 0.6 LB(S)/1000 LBS (8) [40CFR 60 Subpart UU, 8-5-1983]; SOX: 0.061 LBS/TON MATERIAL (1) [RULE 2011, 5-6-2005]	D323.1, I331.1
BLOWER, 3200 CU.FT./MIN	D119				
KNOCK OUT POT, HEIGHT: 16 FT; DIAMETER: 12 FT A/N: 383382	D5	D4 C78			D323.1, H23.1, I331.1
Permit to Construct Issued: 07/31/01 STILL, NO. 5, HEIGHT: 50 FT; DIAMETER: 12 FT WITH A/N: 383382 Permit to Construct Issued: 07/31/01 BLOWER, 3200 CU.FT./MIN	D6	D7	SOX: PROCESS UNIT**	PM: (9) [RULE 405, 2-7-1986]; PM: 0.6 LB(S)/1000 LBS (8) [40CFR 60 Subpart UU, 8-5-1983]; SOX: 0.061 LBS/TON MATERIAL (1) [RULE 2011, 5-6-2005]	D323.1, I331.1
KNOCK OUT POT, HEIGHT: 16 FT; DIAMETER: 12 FT A/N: 383382 Permit to Construct Issued: 07/31/01	D7	D6 C78			D323.1, H23.1, I331.1
DEHYDRATION UNIT A/N: 383382 Permit to Construct Issued: 07/31/01 System 2: PERMA MOP I	D8 MANUFA	CTURING			D323.1, I331.1

(2) (2A) (2B) Denotes RECLAIM emission rate

Denotes RECLAIM concentration limit

(4) Denotes BACT emission limit

(5) (5A) (5B) Denotes command and control emission limit

(6) Denotes air toxic control rule limit

Denotes NSR applicability limit (7) (9) See App B for Emission Limits

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10)See section J for NESHAP/MACT requirements

^{(1) (1}A) (1B) Denotes RECLAIM emission factor

Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: ASPHALT MAN	NUFACT	URING			
STORAGE TANK, FIXED ROOF, NO. 15, ASPHALT, WITH AN AGITATOR, 30000 GALS; DIAMETER: 12 FT; HEIGHT: 32 FT A/N: 422690 Permit to Construct Issued: 02/26/04 Process 2: ASPHALT STO	D82	C78 C132	FD		A63.8, D323.1, E1.1, H23.1
System 1: RAW ASPHALT		IND TRAINSF	<u>EK</u>		-
STORAGE TANK, FIXED ROOF, NO. 24, ASPHALT, 47780 GALS; DIAMETER: 12 FT; HEIGHT: 32 FT A/N: 422695 Permit to Construct Issued: 02/26/04 STORAGE TANK, FIXED ROOF, NO. 26, ASPHALT, 43590 GALS; DIAMETER: 26 FT; HEIGHT: 21 FT 8 IN A/N: 422716	D9 D10	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1 A63.8, A433.1, D323.1, E1.1, H23.1
Permit to Construct Issued: 02/26/04 STORAGE TANK, FIXED ROOF, NO. 29, ASPHALT, 49300 GALS; DIAMETER: 18 FT; HEIGHT: 24 FT 6 IN A/N: 422718 Permit to Construct Issued: 02/26/04	D11	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, FIXED ROOF, NO. 25, ASPHALT, 47800 GALS; DIAMETER: 18 FT; HEIGHT: 27 FT 6 IN A/N: 422714 Permit to Construct Issued: 02/26/04	D12	C78 C132			A63.8, A433.1, D323.1, E1.1

*	(1)	(1Δ)	(1R)	Denotes	RECLAIM	emission	factor
	11)	(IA)	шы	Denotes	RECLAIM	emission	Tactor

(3) Denotes RECLAIM concentration limit

(5) (5A) (5B) Denotes command and control emission limit

(7) Denotes NSR applicability limit(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate

(4) Denotes BACT emission limit

(6) Denotes air toxic control rule limit

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

(10) See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: ASPHALT STO	RAGE A	ND TRANSF	ER		
STORAGE TANK, FIXED ROOF, NO. 28, ASPHALT, 49490 GALS; DIAMETER: 18 FT; HEIGHT: 27 FT WITH A/N: 422717 Permit to Construct Issued: 02/26/04	D13	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
HEATER, ASPHALT, 1.5 MMBTU/HR	D114			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	
STORAGE TANK, FIXED ROOF, NO. 34, ASPHALT, 23270 GALS; DIAMETER: 12 FT; HEIGHT: 30 FT A/N: 422722 Permit to Construct Issued: 02/26/04	D14	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, FIXED ROOF, NO. 33, ASPHALT, 23270 GALS; DIAMETER: 12 FT; HEIGHT: 30 FT A/N: 422720 Permit to Construct Issued: 02/26/04	D15	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
LOADING ARM, TANK TRUCK, ASPALT, TANK TRUCK, DIAMETER: 4 IN A/N: 422440 Permit to Construct Issued: 02/27/04	D16	C78 C132			A63.8, A63.9, A433.2, D323.1, E1.1, H23.1
LOADING ARM, TANK TRUCK, ASPHALT, DIAMETER: 4 IN A/N: 422439 Permit to Construct Issued: 02/27/04	D111	C78 C132			A63.8, A63.9, A433.2, D323.1, E1.1, H23.1

*	(1)	(1Δ)	(1R)	Denotes	RECLAIM	emission	factor
	11)	(IA)	шы	Denotes	KECLAIM	emission	Tactor

(3) Denotes RECLAIM concentration limit

(5) (5A) (5B) Denotes command and control emission limit

(7) Denotes NSR applicability limit(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate

(4) Denotes BACT emission limit

(6) Denotes air toxic control rule limit

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

(10) See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: ASPHALT STO	RAGE A	ND TRANSF	ER		
System 2: PROCESSED A	SPHALT	Γ			
STORAGE TANK, FIXED ROOF, 11, PROCESSED ASPHALT, 18270 GALS; DIAMETER: 11 FT 3 IN; HEIGHT: 24 FT A/N: 422441 Permit to Construct Issued: 02/27/04	D17	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, FIXED ROOF, 12, PROCESSED ASPHALT, 25280 GALS; DIAMETER: 11 FT 8 IN; HEIGHT: 32 FT 6 IN A/N: 422686 Permit to Construct Issued: 02/27/04	D18	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, FIXED ROOF, 13, PROCESSED ASPHALT, 23180 GALS; DIAMETER: 11 FT 10 IN; HEIGHT: 32 FT 6 IN A/N: 422687 Permit to Construct Issued: 02/27/04	D19	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, FIXED ROOF, 14, PROCESSED ASPHALT, 19760 GALS; DIAMETER: 11 FT 10 IN; HEIGHT: 30 FT A/N: 422689 Permit to Construct Issued: 02/27/04	D20	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
STORAGE TANK, FIXED ROOF, 16, PROCESSED ASPHALT, 26990 GALS; DIAMETER: 12 FT; HEIGHT: 31 FT A/N: 422691 Permit to Construct Issued: 02/26/04	D21	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1

*	(1)(1A)(1B)	Denotes RECLAIM emission factor	(2)(2A)(2B)	Denotes RECLAIM emission rate
	(3)	Denotes RECLAIM concentration limit	(4)	Denotes BACT emission limit
	(5)(5A)(5B)	Denotes command and control emission limit	(6)	Denotes air toxic control rule limit
	(7)	Denotes NSR applicability limit	(8) (8A) (8B)	Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
	(9)	See App B for Emission Limits	(10)	See section I for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

Section H Facility ID: Revision #: December 03, 2010 Date:

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: ASPHALT STO	RAGE A	ND TRANSF	ER		
STORAGE TANK, FIXED ROOF, NO. 23, ASPHALT, 44000 GALS; DIAMETER: 20 FT 6 IN; HEIGHT: 18 FT A/N: 422694 Permit to Construct Issued: 02/26/04 Process 3: ASPHALT ROO	D31	C78 C132	PINC		A63.8, A433.1, D323.1, E1.1, H23.1
					_
System 1: ASPHALT STO	RAGE A	ND HANDLI	NG		
STORAGE TANK, ASPHALT, 37330 GALS; DIAMETER: 21 FT 6 IN; HEIGHT: 16 FT A/N: 422855 Permit to Construct Issued: 02/26/04	D39	C78 C132			A63.8, A433.1, D323.1, E1.1, H23.1
TANK, ASPHALT, 1500 GALS A/N: 465083 Permit to Construct Issued: 04/20/07	D125	C132			D323.1, H23.1
System 2: GROUND LIME	ESTONE	(FILLER) ST	ORAGE AND HA	NDLING	
HEATER, NATURAL GAS, WITH LOW NOX BURNER, 2.7 MMBTU/HR WITH A/N: 424381 Permit to Construct Issued: 02/26/04 BURNER, NATURAL GAS, MAXON, MODEL M-PAKT, 2.7 MMBTU/HR	D41		NOX: PROCESS UNIT**	CO: 400 PPMV (5) [RULE 1146.1, 5-13-1994; RULE 1146.1, 9-5-2008]; NOX: 30 PPMV (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]	D28.3, D332.2, K40.3

*	(1)(1A)(1B)	Denotes RECLAIM emission factor	(2) (2A) (2B)	Denotes RECLAIM emission rate
	(3)	Denotes RECLAIM concentration limit	(4)	Denotes BACT emission limit
	(5)(5A)(5B)	Denotes command and control emission limit	(6)	Denotes air toxic control rule limit
	(7)	Denotes NSR applicability limit	(8) (8A) (8B)	Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

2.) See section J for NESHAP/MACT requirements See App B for Emission Limits (10)

Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: ASPHALT RO	OFING M	IANUFACTU	RING		
BIN, SURGE, GRANULES A/N: 465083 Permit to Construct Issued: 04/20/07	D50	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
CONVEYOR, BELT, CALCIUM CARBONATE, SAND, AND GRANULES A/N: 465083 Permit to Construct Issued: 04/20/07	D51	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BIN, SURGE, GRANULE ACCUMULATOR AND DISTRIBUTOR A/N: 465083 Permit to Construct Issued: 04/20/07	D52	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BIN, SURGE, CALCIUM CARBONATE, SAND, AND GRANULES A/N: 465083 Permit to Construct Issued: 04/20/07	D53	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BIN, SURGE, GROUND SAND, CALCIUM CARBONATE, AND GRANULES A/N: 465083 Permit to Construct Issued: 04/20/07	D54	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
HOPPER, DUMP, GROUND SAND, CALCIUM CARBONATE A/N: 465083 Permit to Construct Issued: 04/20/07	D55	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
HOPPER, DUMP, SAND, CALCIUM CARBONATE A/N: 465083 Permit to Construct Issued: 04/20/07	D56	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1

(2) (2A) (2B) Denotes RECLAIM emission rate

(3) Denotes RECLAIM concentration limit

(4) Denotes BACT emission limit

(5) (5A) (5B) Denotes command and control emission limit

(6) Denotes air toxic control rule limit

(7) Denotes NSR applicability limit

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

^{* (1) (1}A) (1B) Denotes RECLAIM emission factor

⁽⁹⁾ See App B for Emission Limits

⁽¹⁰⁾ See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: ASPHALT ROO	OFING M	IANUFACTU	RING		
BUCKET ELEVATOR, CALCIUM CARBONATE, SAND A/N: 465083 Permit to Construct Issued: 04/20/07	D57	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, WASTE A/N: 465083 Permit to Construct Issued: 04/20/07	D63	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, PRIME A/N: 465083 Permit to Construct Issued: 04/20/07	D104	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, WASTE A/N: 465083 Permit to Construct Issued: 04/20/07	D105	C75		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
BUCKET ELEVATOR, HEADLAP A/N: 465083 Permit to Construct Issued: 04/20/07	D106	C75	NC	PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
System 4: SEALANT STO	KAGE A	ND HANDLI	NG		
TANK, SURGE, SEALANT, 240 GALS A/N: 465083 Permit to Construct Issued: 04/20/07	D93	C132			
TANK, SEALANT, MELT, 240 GALS A/N: 465083 Permit to Construct Issued: 04/20/07	D95	C132			
TANK, CIRCULATOR, SEALANT, 240 GALS A/N: 465083 Permit to Construct Issued: 04/20/07	D123	C132			
TANK, MELT, SEALANT, 240 GALS A/N: 465083 Permit to Construct Issued: 04/20/07	D124	C132			

* *	(1)	(1 A)	(1D)	Donatas	RECLAIM	amiagian	factor
	(1)	(1A)	(IB)	Denotes	RECLAIM	emission	Tactor

^{(2) (2}A) (2B) Denotes RECLAIM emission rate

⁽³⁾ Denotes RECLAIM concentration limit

⁽⁴⁾ Denotes BACT emission limit

^{(5) (5}A) (5B) Denotes command and control emission limit

⁽⁶⁾ Denotes air toxic control rule limit

⁽⁷⁾ Denotes NSR applicability limit

^{(8) (8}A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

⁽⁹⁾ See App B for Emission Limits

⁽¹⁰⁾ See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions [*] And Requirements	Conditions
Process 3: ASPHALT ROC	FING M	IANUFACTU	RING		
TANK, MELT SEALANT ADHESIVE (MSA), 1500 GALS A/N: 465083 Permit to Construct Issued: 04/20/07	D135	C132			
TANK, HOT MELT, MODIFIED LAMINANT ADHESIVE (MLA),, 15000 GALS A/N: 465083 Permit to Construct Issued: 04/20/07	D136	C132			
COATER, MLA APPLICATOR A/N: 465083 Permit to Construct Issued: 04/20/07	D139	C132			
COATER, MSA APPLICATOR A/N: 465083 Permit to Construct Issued: 04/20/07	D140	C132			
System 5: FIBERGLASS I	ROOFIN	G PRODUCT	ION		
COATER, ASPHALT A/N: 465083 Permit to Construct Issued: 04/20/07	D87	C132		PM: (9) [RULE 405, 2-7-1986]; PM: 0.04 LB(S)/1000 LBS (8) [40CFR 60 Subpart UU, 8-5-1983]	A63.6, C1.1, C1.5, D323.1, H23.1
TANK, MIXER NO. 1,, FILLED ADHESIVES, 150 GALS; DIAMETER: 3 FT; HEIGHT: 4 FT A/N: 465083 Permit to Construct Issued: 04/20/07	D154	C132			
TANK, MIXER NO. 2,, FILLED SEALANT, 150 GALS; DIAMETER: 3 FT; HEIGHT: 4 FT A/N: 465083 Permit to Construct Issued: 04/20/07	D155	C132			

(1) (1A) (1B) Denotes RECLAIM emission factor	r
---	---

(2) (2A) (2B) Denotes RECLAIM emission rate

(3) Denotes RECLAIM concentration limit

(4) Denotes BACT emission limit

(5) (5A) (5B) Denotes command and control emission limit

(6) Denotes air toxic control rule limit

(7) Denotes NSR applicability limit

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

⁽⁹⁾ See App B for Emission Limits

⁽¹⁰⁾ See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: ASPHALT ROO	FING M	IANUFACTU	RING		
TANK, ASPHALT, SURGE, 1500 GALS A/N: 465083	D89				
Permit to Construct Issued: 04/20/07 COATER, CALCIUM CARBONATE OR SAND, AND GRANULES APPLICATOR A/N: 465083 Permit to Construct Issued: 04/20/07	D44	C75 C132		PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
PRESS, PRESSURE ROLLERS, GRANULE SETTING A/N: 465083 Permit to Construct Issued: 04/20/07	D45			PM: (9) [RULE 405, 2-7-1986]	A63.4, D323.1, H23.1
COOLER, ASPHALT ROOFING A/N: 465083 Permit to Construct Issued: 04/20/07	D129			PM: (9) [RULE 405, 2-7-1986]	D323.1
COATER, SEALANT APPLICATOR A/N: 465083 Permit to Construct Issued: 04/20/07	D92	C132		PM: (9) [RULE 405, 2-7-1986]	
CONVEYOR, ACCUMULATION A/N: 465083 Permit to Construct Issued: 04/20/07	D100			PM: (9) [RULE 405, 2-7-1986]	
CUTTER, SHINGLE A/N: 465083 Permit to Construct Issued: 04/20/07	D49			PM: (9) [RULE 405, 2-7-1986]	D323.1
PACKAGING MACHINE A/N: 465083 Permit to Construct Issued: 04/20/07	D94			PM: (9) [RULE 405, 2-7-1986]	
ACCUMULATOR, WCS PULL ROLLS, CARRYOVER CONVERYORS, SHEET SLITTER, AND FINISH LOOPER A/N: 465083 Permit to Construct Issued: 04/20/07	D141				

	(1)	(1 A	(1D	Donatas	RECLAIM	amiacian	factor
(HA	ш	Denotes	RECLAIM	emission	ractor

(2) (2A) (2B) Denotes RECLAIM emission rate

(3) Denotes RECLAIM concentration limit

(4) Denotes BACT emission limit

(5) (5A) (5B) Denotes command and control emission limit

(6) Denotes air toxic control rule limit

(7) Denotes NSR applicability limit

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

⁽⁹⁾ See App B for Emission Limits

⁽¹⁰⁾ See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: ASPHALT ROC	FING M	ANUFACTU			
CUTTER, WCS A/N: 465083 Permit to Construct Issued: 04/20/07	D142				
PACKAGING MACHINE, WCS A/N: 465083 Permit to Construct Issued: 04/20/07	D143				
System 7: AIR POLLUTIO	ON CON	ΓROL #2			
AFTERBURNER, NATURAL GAS, RTO NO.2, 2.5 MMBTU/HR WITH A/N: 465084 Permit to Construct Issued: 04/20/07	C132	D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D31 D39 D44 D82 D87 D89 D92 D93 D95 D111 D123 D124 D125 D135 D136 D139 D140 D154 D155 D159	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D29.2, E73.1, E193.1, K40.5
FILTER, FIBERGLASS, FIBERBED DIFFUSION FILTERS, ADVANCED ENVIRONMENTAL SYSTEMS, MODEL AIR-CLEAR, 1812 SQ.FT.	C138				
Process 5: ASPHALT MAN	NUFACT	URING CON	TROL EQUIPMEN	NT	
System 1: Air Pollution Co	ntrol Sys	stem			

*	(1)(1A)(1B)	Denotes RECLAIM emission factor	(2)(2A)(2B)	Denotes RECLAIM emission rate
	(3)	Denotes RECLAIM concentration limit	(4)	Denotes BACT emission limit
	(5)(5A)(5B)	Denotes command and control emission limit	(6)	Denotes air toxic control rule limit
	(7)	Denotes NSR applicability limit	(8)(8A)(8B)	Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
	(9)	See App B for Emission Limits	(10)	See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: ASPHALT MAN	NUFACT	URING CON	TROL EQUIPMEN	NT	
CYCLONE, COMMON FOR AFTERBURNERS 1 AND 2, HEIGHT: 25 FT; DIAMETER: 5 FT A/N: 427699 Permit to Construct Issued: 06/10/04	C78	D3 D5 D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D21 D31 D39 C77 D82 C101 D111			D323.1
AFTERBURNER, NO. 1, NATURAL GAS, 18 MMBTU/HR WITH A/N: 427699 Permit to Construct Issued: 06/10/04 BURNER, MAXON, MODEL	C77	C78	NOX: LARGE SOURCE**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 143 PPMV NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	D12.3, D28.2, D323.1, E193.1, I331.1, K40.4
KINIDIZER, 18 MMBTU/HR AFTERBURNER, HIRT NO. 2, NATURAL GAS, 18 MMBTU/HR WITH A/N: 427701 Permit to Construct Issued: 06/10/04 BURNER, MAXON, MODEL KINIDIZER, 18 MMBTU/HR	C101	C78	NOX: LARGE SOURCE**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.3, D28.2, D323.1, E193.1, I331.1, K40.4

(3) Denotes RECLAIM concentration limit

(4) Denotes BACT emission limit

(5) (5A) (5B) Denotes command and control emission limit

(6) Denotes air toxic control rule limit

(7) Denotes NSR applicability limit

(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

^{(1) (1}A) (1B) Denotes RECLAIM emission factor

^{(2) (2}A) (2B) Denotes RECLAIM emission rate

⁽⁹⁾ See App B for Emission Limits

⁽¹⁰⁾ See section J for NESHAP/MACT requirements

^{**} Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

SECTION H: DEVICE ID INDEX

The following sub-section provides an index to the devices that make up the facility description sorted by device ID.

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D2	1	1	1			
D3	1	1	1			
D4	2	1	1			
D5	2	1	1			
D6	2	1	1			
D7	2	1	1			
D8	2	1	1			
D9	3	2	1			
D10	3	2	1			
D11	3	2	1			
D12	3	2	1			
D13	4	2	1			
D14	4	2	1			
D15	4	2	1			
D16	4	2	1			
D17	5	2	2			
D18	5	2	2			
D19	5	2	2			
D20	5	2	2			
D21	5	2	2			
D31	6	2	5			
D39	6	3	1			
D41	6	3	2			
D44	10	3	5			
D45	10	3	5			
D49	10	3	5			
D50	7	3	3			
D51	7	3	3			
D52	7	3	3			
D53	7	3	3			
D54	7	3	3			
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D63	8	3	3		
C77	12	5	1		
C78	12	5	1		
D82	3	1	2		
D87	9	3	5		
D89	10	3	5		
D92	10	3	5		
D93	8	3	4		
D94	10	3	5		
D95	8	3	4		
D100	10	3	5		
C101	12	5	1		
D104	8	3	3		
D105	8	3	3		
D106	8	3	3		
D111	4	2	1		
D114	4	2	1		
D118	1	1	1		
D119	2	1	1		
D120	2	1	1		
D123	8	3	4		
D124	8	3	4		
D125	6	3	1		
D129	10	3	5		
C132	11	3	7		
D135	9	3	4		
D136	9	3	4		
C138	11	3	7		
D139	9	3	4		
D140	9	3	4		
D141	10	3	5		
D142	11	3	5		
D143	11	3	5		

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D155	9	3	5		

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

SYSTEM CONDITIONS

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 3050 LBS IN ANY ONE MONTH
PM10	Less than or equal to 910 LBS IN ANY ONE MONTH
PM10	Less than or equal to 10924 LBS IN ANY ONE YEAR
ROG	Less than or equal to 1140 LBS IN ANY ONE MONTH
ROG	Less than or equal to 13629 LBS IN ANY ONE YEAR

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Systems subject to this condition : Process 1, System 1]

DEVICE CONDITIONS

A. Emission Limits

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 1 Percent opacity

[40CFR 63 Subpart UU, 4-20-2006]

[Devices subject to this condition : D44, D45, D50, D51, D52, D53, D54, D55, D56, D57, D63, D104, D105, D106]

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The operator shall comply with the terms and conditions set forth below:

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 20 Percent opacity

[40CFR 60 Subpart UU, 8-5-1983]

[Devices subject to this condition: D87]

A63.8 The operator shall limit emissions from this equipment as follows:

CONTAMINAN T	EMISSIONS LIMIT	QUANTITY	UNITS
CO	Less than or equal to	29	LBS IN ANY
	1	'	CALENDAR MONTH
PM10	Less than or equal to	9	LBS IN ANY
	1	'	CALENDAR MONTH
ROG	Less than or equal to	35	LBS IN ANY
	1	1	CALENDAR MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D31, D39, D82, D111]

A63.9 The operator shall limit emissions from this equipment as follows:

CONTAMINAN T	EMISSIONS LIMIT	QUANTITY	UNITS
CO	Less than or equal to	29	LBS IN ANY
	ı	l	CALENDAR MONTH

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The operator shall comply with the terms and conditions set forth below:

PM10	Less than or equal to	9	LBS IN ANY
			CALENDAR MONTH
ROG	Less than or equal to	35	LBS IN ANY
	•	1	CALENDAR MONTH

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition: D16, D111]

A433.1 The operator shall limit emissions from this equipment as follows::

POLLUTANT	LIMIT	UNITS
VISIBLE	0	PERCENT OPACITY
EMISSIONS		

[40CFR 63 Subpart UU, 4-20-2006]

[Devices subject to this condition : D9, D10, D11, D12, D13, D14, D15, D17, D18, D19, D20, D21, D31, D39]

A433.2 The operator shall limit emissions from this equipment as follows::

POLLUTANT	LIMIT	UNITS
VISIBLE	1	PERCENT OPACITY
EMISSIONS	'	

[40CFR 63 Subpart UU, 4-20-2006]

[Devices subject to this condition : D16, D111]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 1200 ton(s) in any one day.

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The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, material processed shall be defined as finished roofing line product.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D87]

C1.5 The operator shall limit the material processed to no more than 28320 ton(s) in any one month.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition: D87]

D. Monitoring/Testing Requirements

D12.2 The operator shall install and maintain a(n) gauge to accurately indicate the flue gas flow from the exhaust stack to the burner.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1]

D12.3 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the burner.

[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 3-16-2001; RULE 2012, 5-6-2005]

[Devices subject to this condition : D1, C77, C101]

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

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The operator shall comply with the terms and conditions set forth below:

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to determine the NOX emissions at the outlet.

The test shall be conducted to determine the ROG emissions at the outlet.

The District shall be notified of the date and time of the test at least 30 days prior to the test.

The test shall be conducted to determine the PM10 emissions at the outlet.

The test shall be conducted to determine the SOX emissions at the outlet.

The test shall be conducted to determine the CO emissions at the outlet.

The test shall be conducted while all blowing stills are operating simultaneously.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition: C77, C101]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

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The operator shall comply with the terms and conditions set forth below:

Source test shall be conducted when this equipment is operating at low, medium, and maximum load.

The test shall be conducted to determine the NOX emissions using District method 100.1 measured over a 15 minute averaging time period.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted within 120 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to determine the CO emissions using District method 100.1 measured over a 15 minute averaging time period.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D41]

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to	Required Test Method(s)	Averaging Time	Test Location
be tested	<u>I</u>	1	
NOX emissions	District method 100.1	30 minutes or greater	Outlet
CO emissions	District method 100.1	30 minutes or greater	Outlet
PM emissions	District method 5.1	30 minutes or greater	Outlet
ROG emissions	District method 25.1	30 minutes or greater	Inlet and outlet of APC
	1	•	equipment serving this
			equipment

The test shall be conducted within 180 days after this permit is issued..

[RULE 1303(b)(2)-Offset, 5-10-1996]

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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C132]

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

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The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D31, D39, D44, D45, D49, D50, D51, D52, D53, D54, D55, D56, D57, D63, C77, C78, D82, D87, C101, D104, D105, D106, D111, D125, D129]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D1]

D332.2 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146.1 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D41]

E. Equipment Operation/Construction Requirements

E1.1 The operator shall vent the emissions from this equipment to only one of the devices identified in the "connected to" column of this facility permit at any given time.

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The operator shall comply with the terms and conditions set forth below:

[RULE 204, 10-8-1993]

[Devices subject to this condition : D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D31, D39, D82, D111]

E73.1 Notwithstanding the requirements of Section E conditions, the operator may use the air pollution exhaust duct to collect all vent gases during an afterburner pre-filter change, and then vent all accumulated vent gases to the afterburner when the afterburner is fullly operational:

[RULE 204, 10-8-1993]

[Devices subject to this condition : C132]

E113.1 The operator shall have the burner equipped with a control system to automatically regulate the combustion air, fuel and, if applicable, recirculated flue gas as the boiler load varies. This control system shall be adjusted and tuned at least twice a year according to the manufacturer's specifications to maintain its ability to repeat the same performance at the same firing rate.

[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1]

E179.1 For the purpose of the following condition number(s), boiler load shall be defined as heater load.

Condition Number 113-1

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition: D1]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

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The operator shall comply with the terms and conditions set forth below:

The combustion chamber temperature shall be maintained at a minimum of 1,400 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,400 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,400 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days

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The operator shall comply with the terms and conditions set forth below:

after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition: C77, C101, C132]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	40CFR60, SUBPART	UU

[40CFR 63 Subpart UU, 4-20-2006]

[Devices subject to this condition: D3, D5, D7, D9, D10, D11, D13, D14, D15, D16, D17, D18, D19, D20, D21, D31, D39, D44, D45, D50, D51, D52, D53, D54, D55, D56, D57, D63, D82, D87, D104, D105, D106, D111, D125]

I. Administrative

I331.1 The conditions and requirements for this device in Section H shall take effect, and shall supersede those in Section D, when the modifications authorized in Section H are completed. The operator shall notify the AQMD when the modifications are completed.

[**RULE 202, 5-7-1976;** RULE 202, 12-3-2004]

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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D1, D2, D3, D4, D5, D6, D7, D8, C77, C101]

K. Record Keeping/Reporting

K40.3 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 3 percent oxygen.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D41]

K40.4 The operator shall provide to the District a source test report in accordance with the following specifications:

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The operator shall comply with the terms and conditions set forth below:

Source test results shall be submitted to the District no later than 30 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 3 percent oxygen.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Source test results shall also include production rate under which the test was conducted.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : C77, C101]

K40.5 The operator shall provide to the District a source test report in accordance with the following specifications:

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The operator shall comply with the terms and conditions set forth below:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv) corrected to 3 percent oxygen (dry basis), mass rate (lbs/hr), and lbs/MM Cubic Feet. In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 3 percent oxygen.

Source test results shall also include under which the test was conducted.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C132]

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SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

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SECTION J: AIR TOXICS

NOT APPLICABLE

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SECTION K: TITLE V Administration

GENERAL PROVISIONS

- 1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
- 2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

- 3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]
 - (B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
- 4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

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Reopening for Cause

- 7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
 - (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
 - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

- 8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
 - (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
 - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

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- 9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
- 10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
- 11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
- 12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
- 13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

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- 14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
- 15. Nothing in this permit or in any permit shield can alter or affect:
 - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
- 16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

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SECTION K: TITLE V Administration **EMERGENCY PROVISIONS**

- 17. An emergency¹ constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:
 - (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 Breakdown Provisions, or subdivision (i) of Rule 2004 Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
- 18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 Emergencies. [118]

^{1 &}quot;Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

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SECTION K: TITLE V Administration **RECORDKEEPING PROVISIONS**

- 19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
 - (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
 - (B) The date(s) analyses were performed;
 - (C) The company or entity that performed the analyses;
 - (D) The analytical techniques or methods used;
 - (E) The results of such analyses; and
 - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
- 20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
- 21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

- 22. The operator shall comply with the following requirements for prompt reporting of deviations:
 - (A) Breakdowns shall be reported as required by Rule 430 Breakdown Provisions or subdivision (i) of Rule 2004 Requirements, whichever is applicable.

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- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
- (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
- 23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
- 24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
 - (A) Identification of each permit term or condition that is the basis of the certification;

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- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]

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FACILITY RULES

This facility is subject to the following rules and regulations

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146	9-5-2008	Non federally enforceable
RULE 1146.1	5-13-1994	Federally enforceable
RULE 1146.1	9-5-2008	Non federally enforceable
RULE 1146.2	5-5-2006	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(a)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1401	3-4-2005	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2011	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 202	12-3-2004	Non federally enforceable

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RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 202	5-7-1976	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004(a)(4)-Periodic	12-12-1997	Federally enforceable
Monitoring		
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	6-5-2009	Non federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 60 Subpart UU	8-5-1983	Federally enforceable
40CFR 63 Subpart UU	4-20-2006	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable

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APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219

- 1. ASPHALT PRE-HEATER, NATURAL GAS
- 2. CUTTING TORCHES, OXYGEN/ACETYLENE
- 3. HOT OIL HEATER, NATURAL GAS
- 4. HOT OIL HEATER, NATURAL GAS
- 5. SEALANT TANK HEATERS, NATURAL GAS
- 6. WATER HEATER, NATURAL GAS
- 7. SPACE HEATERS, NATURAL GAS

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-08-1996]

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

TABLE OF STANDARDS

VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water And Less Exempt Compounds

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers Clear Wood Finishes Varnish Sanding Sealers Lacquer Concrete-Curing Compounds Dry-Fog Coatings Fire-proofing Exterior Coatings Fire-Retardant Coatings Clear Pigmented Flats Graphic Arts (Sign) Coatings	350 350 350 680 350 400 350 650 350 250 500	450	550	350	100	275	50

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-08-1996]

^{*} The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- Except as provided in paragraphs (c)(3), (c)(4), and designated coatings (2) averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

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APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007] TABLE OF STANDARDS VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds	350							
For Roadways and								
Bridges**								
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM)	420			250		100		
Coatings								
High Temperature IM			420					
Coatings								
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		

FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit						
	Limit"	Limit	1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Nonflat High Gloss	250		150				50	
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers,	350		200			100		
and Undercoaters								
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing	400					100		
Concrete/Masonry Sealers								
Wood Preservatives								
Below-Ground	350							
Other	350							

^{*} The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

^{**} Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

^{***} The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

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APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007] TABLE OF STANDARDS (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

[ROLL 11/111 0/ 2000]	
SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS VOC g/l (lb/gal)
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

[KULE 11/1	[KULE 11/1 U3-U1-2009]				
	CURRENT LIMITS*	EFFECTIVE 1/1/2010			
	VOC	VOC			
SOLVENT CLEANING ACTIVITY	g/l	g/l			
(cont.)	(lb/gal)	(lb/gal)			
(iii) Medical Devices &					
Pharmaceuticals					
(A) Tools, Equipment, &	800				
Machinery	(6.7)				
(B) General Work Surfaces	600				
` '	(5.0)				
(C) Cleaning of Coatings or Adhesives	25				
Application Equipment	(0.21)				
(D) Cleaning of Ink Application	, ,				
Equipment					
(i) General	25				
` '	(0.21)				
(ii) Flexographic Printing	25				
	(0.21)				
(iii) Gravure Printing					
(A) Publication	100				
	(0.83)				
(B) Packaging	25				
	(0.21)				
(iv) Lithographic (Offset) or Letter Press					
Printing					
(A) Roller Wash, Blanket Wash,	100				
& On-Press Components	(0.83)				

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APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	CURRENT LIMITS* VOC	EFFECTIVE 1/1/2010 VOC
SOLVENT CLEANING ACTIVITY (cont.)	g/l (lb/gal)	g/l (lb/gal)
(B) Removable Press Components	25 (0.21)	(ID/gai)
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

^{*} The specified limits remain in effect unless revised limits are listed in subsequent columns.

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic	Cubic	Milligrams	Grains per	Cubic	Cubic	Milligrams	Grains per
meters	feet	per	Cubic Foot	meters	feet	per	Cubic
Per	Per	Cubic		Per Minute	Per	Cubic Meter	Foot
Minute	Minute	Meter			Minute		
25 or	883	450	0.196	900	31780	118	0.0515
	or						
less	less						
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445

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APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter"Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic	Cubic	Milligrams	Grains per	Cubic	Cubic	Milligrams	Grains per
meters	feet	per	Cubic Foot	meters	feet	per	Cubic
Per	Per	Cubic		Per Minute	Per	Cubic Meter	Foot
Minute	Minute	Meter			Minute		
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148

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APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

Volume Discharged		Maximum Concentration of Particulate Matter"Allowed in		Volume Discharged		Maximum Concentration of Particulate Matter Allowed in Discharged		
Calculated as Dry		Discharged Gas		Calculated as Dry Gas		Gas Calculated as Dry Gas		
Ga	Gas		Calculated as Dry		At Standard Conditions		at	
At Star	At Standard		Gas at Standard				Standard Conditions	
Condit	ions	Conditions						
Cubic	Cubic	Milligrams	Grains per	Cubic	Cubic	Milligrams	Grains per	
meters	feet	per	Cubic Foot	meters	feet	per	Cubic	
Per	Per	Cubic		Per Minute	Per	Cubic Meter	Foot	
Minute	Minute	Meter			Minute			
500	17660	146	.0637	30000	1059000	32	.0140	
600	21190	137	.0598	40000	1413000	28	.0122	
700	24720	129	.0563	50000	1766000	26	.0114	
800	28250	123	.0537	70000	2472000	23	.0100	
				or more	or more			

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APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 405(a)

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds
Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour
100 or	220 or	0.450	0.99	9000	19840	5.308	11.7
	less						
less							
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

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FACILITY PERMIT TO OPERATE OWENS CORNING ROOFING AND ASPHALT, LLC

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds
Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour	Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.401	3.47	50000	110200	7.738	17.1
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0